

Vol. 54, No. 1

ISSN 0432-7136

---

# **BULLETIN DU GROUPEMENT**

**d'informations mutuelles**

# **AMPERE**

SE CONNAITRE, S'ENTENDRE, S'ENTR'AIDER

*January - May 2005*

No. 218

*Secretariat and administration:*

ETH Zürich

Laboratory of Physical Chemistry, c/o Prof. B. H. Meier

ETH-Hönggerberg, HCI

CH-8093 Zürich, Switzerland

<http://www.ampere.ethz.ch>

## Contents

### AMPERE Society

Minutes of the Meeting of the AMPERE Bureau	p.	2 - 5
Report on the State of the Groupement AMPERE	p.	6 - 7
Financial Situation of the Groupement AMPERE	p.	8
Minutes of the Meeting of the HOD Executive Committee	p.	9 - 11

### Forthcoming AMPERE Events

Third Announcement International Symposium and Summer School “Nuclear Magnetic Resonance in Condensed Matter”, St. Petersburg	p.	12 - 18
--	----	---------

### Other Events

Upcoming Events 2005 - 2009	p.	19 - 20
-----------------------------	----	---------

<b>Adress list of AMPERE members</b>	p.	21 - 32
--------------------------------------	----	---------

#### Associate Members of the AMPERE Group:

Bruker AG, Industriestrasse 26, CH-8117 Fällanden, Switzerland

Varian Deutschland GmbH, Postfach 11 14 35, D-64229 Darmstadt, Germany

Magnetic Resonance Group, Institute Jozef Stefan, Jamova 39,  
SI-61111 Ljubljana, Slovenia

# Minutes of the Meeting of the AMPERE Bureau

in Zürich, April 1, 2005

## Members present:

H.W. Spiess (D), B. Maraviglia (I), B.H. Meier (CH), A. Haase (D), J. Roos (CH), (executive officers),  
R. Blinc (SI) (honorary member),  
D. Farrant (GB), P.C.M.M. Magusin (NL), J. Stepisnik (SI) (temporary members).

## Excused:

J-P. Amoureux (F), G. J. Béné (CH), J-Y. Buzaré (F), St. Caldarelli (F), V.I. Chizhik (RU),  
D. Goldfarb (IL), St. Jurga (PL), P. McDonald (U.K.), D. Neuhaus (U.K.), T. Prisner (D),  
J. Schmidt (NL)

## Agenda:

1. Approval of the minutes of the AMPERE Bureau meeting in Lille, September 6, 2004
2. Report on the state of the AMPERE Society (H.W. Spiess)
3. Financial Report (B.H. Meier)
4. EUROMAR Conference
5. Final reports past meetings (B.H. Meier)
  - Congress AMPERE/EENC, Lille (J.P. Amoureux)
  - European School on Solid-State NMR, Valencia (St. Caldarelli)

## 6. Future meetings:

### 2005

- International School on Magnetic Resonance and Brain Function, Erice May 23-29 (B. Maraviglia)
- AMPERE XIII NMR School, Zakopane June 5-10 (B.H. Meier)
- Specialized Colloque AMPERE "EPR and ENDOR Spectroscopy of Metal Proteins and Spin-Labelled Proteins", Leiden June 29-July 1 (J. Schmidt)
- EUROMAR joint EENC/AMPERE/British NMR-DG Meeting, Veldhoven July 3-8 (P. C.M.M. Magusin)
- Nuclear Magnetic Resonance in Condensed Matter, St. Petersburg July 11-15 (V.I. Chizhik)
- 3<sup>rd</sup> EPR Summer School, Wiesbaden July 17-24 (T. Prisner)
- 8<sup>th</sup> International Conference on Magnetic Resonance

- Microscopy, Kyoto Aug. 22-26 (A. Haase)
- 18<sup>th</sup> Colloque International Hertzian Optics and Dielectrics, Hammamet Sept. 5-7 (J.-Y. Buzaré)
- 4<sup>th</sup> Alpine Conference on Solid-State NMR, Chamonix Sept. 11-15 (St. Caldarelli)

## 2006

- EUROMAR joint EENC/AMPERE/British NMR DG Meeting, York July 17-21 (D. Farrant)
- The 8<sup>th</sup> International Bologna Conference on Magnetic Resonance in Porous Media, Bologna Sept. 10-14 (B.H. Meier)

7. AMPERE grants
8. Varia
9. Date next meeting - future bureau meetings in Zurich or at EUROMAR

At 2 p.m. H.W. Spiess welcomed all present Bureau members and opened the meeting. The agenda was approved unanimously.

- Ad. 1 The minutes of the AMPERE Bureau meeting in Lille, September 6, 2004, were approved unanimously.
- Ad. 2 H.W. Spiess summarized the main topics of his report, which is in the appendix to these minutes. He expressed his gratitude to J.-P. Amoureux and D. Canet for the organisation of the successful Congress AMPERE/EENC 2004. He recalled several of the important decisions taken in Lille and reported about ongoing work for the EUROMAR constitution to be prepared before the next conference in Veldhoven. He gave notice of the passing away of Professor J. Tegenfeldt (University of Uppsala), who served as an active member of the AMPERE committee. Moreover, he informed that K. Wüthrich and Sir P. Mansfield have kindly accepted to become honorary members of the groupement AMPERE. His report was accepted unanimously.
- Ad. 3 B.H. Meier presented his intermediate financial report, which is given in the appendix to these minutes. He commented on the various accounts and their recent development and expressed his thanks to Mrs. Isenegger for her excellent administrative work for the groupement AMPERE. The allocation of money for the start up of EUROMAR was discussed in detail. In addition, a possible transfer of the Andrew prize account from US\$ to CHF (in steps) was supported by the bureau. The report was approved unanimously.
- Ad. 4 B.H. Meier reported on the meetings of the 2+2+2 committee in general and presented a draft of the new statutes for EUROMAR in detail. The following discus-

sion mainly focussed on:

- the tentative list of persons to be nominated for the "EUROMAR board of trustees", which should represent subdivisions and all fields of NMR/EPR,
- the allocation of seed money for EUROMAR as a subdivision of AMPERE,
- the procedure for the election of the "board of trustees",
- the reporting procedure of the "board of trustees".

Consensus on corresponding changes in the guidelines for the EUROMAR committee was reached and an updated draft will be sent to all members of the bureau AMPERE.

Ad. 5 The final report on the Congress AMPERE/EENC in Lille has been published in bulletin 216/217. Its great success can partially be attributed to a very low level of fee and prices, which led to its excellent age structure, a point to be recognized for future conferences.

The European School on Solid-State NMR (final report also in bulletin 216/217) had a good start, with some help by AMPERE in the financial management. It is planned to repeat the school every year.

Ad. 6 **2005**

*International School on Magnetic Resonance and Brain Function, Erice*

According to B. Maraviglia the school has more a character of a workshop with speakers which are top in the field. The number of participants will be ~50. The contributions will be published in the journal "Magnetic Resonance Imaging".  
*AMPERE XIII NMR School, Zakopane*

H.W. Spiess initiated a discussion on the future of this school mentioning proposals from Poland (not definitive), Greece and Slovenia. Referring to the past schools he proposed to have different types, basic ones and advanced ones, and to send out a questionnaire to all people experienced in running schools in the past.

*Specialized Colloque AMPERE "EPR and ENDOR Spectroscopy of Metal Proteins and Spin-Labelled Proteins", Leiden*

No new information was available.

*EUROMAR joint EENC/AMPERE/British NMR-DG Meeting, Veldhoven*

P. C.M.M. Magusin summarized the main objectives of the conference and presented people and their responsibilities in the local and scientific committee. He explained the detailed structure of the conference program including the special-topic workshops running parallel on July 3<sup>rd</sup>. Concerning the status of registration the response to the offered fellowships (Marie-Curie, EUROMAR) has been good but the number of regular registrations is still low. The program concerning invited talks is established and the full program is tentatively expected by end of April.

A possible postponing of the dead line for normal contributions was discussed.

*Nuclear Magnetic Resonance in Condensed Matter, St. Petersburg*

No new information was available.

*3<sup>rd</sup> EPR Summer School, Wiesbaden*

H.W. Spiess mentioned the strong interest in the school that is already over-booked.

*8<sup>th</sup> Intern. Conference on Magnetic Resonance Microscopy, Kyoto*

A. Haase informed that the conference will now be held from August 22-26, at Utsunomiya, (1 h from Tsukuba and 2 h from Tokyo). The program will include 10 invited talks covering all aspects of MRI and the first day will be of purely educational character. 200 –300 participants are expected, mostly students (50% fee reduction) and postdocs.

*18<sup>th</sup> Colloque Intern. Hertzian Optics and Dielectrics, Hammamet*

No new information was available.

*4<sup>th</sup> Alpine Conference on Solid-State NMR, Chamonix*

B.H. Meier pointed out that the conference will be dedicated to the 60<sup>th</sup> birthday of Alex Pines and will not have a narrow focus on solid state NMR only, but will more extend towards physical topics.

## 2006

*EUROMAR joint EENC/AMPERE/British NMR DG Meeting, York*

D. Farrant described the general program of the conference that will cover a broad spectrum of magnetic resonance structured into 10 different areas. It will consist of plenary morning sessions and parallel sessions in the afternoon. He presented the list of invited speakers and introduced the members of the local committee with their special duties. Planning is in progress for a total of 300 to 900 participants.

*The 8<sup>th</sup> Intern. Bologna Conference on Magnetic Resonance in Porous Media, Bologna*

According to B.H. Meier the set up of this first conference as a division of AMPERE organized by Paula Fantazzini is already very advanced.

H.W. Spiess suggested to have specialized Colloques on even years and asked for proposals for 2006. B.H. Meier came up with possible new topics for colloques, namely: *alternative detection schemes in NMR, NMR in chemical engineering*. Further proposals are to be discussed in Veldhoven.

- Ad. 7 Recently B.H. Meier very often gets requests for grants to support e.g. students or invited speakers. In order to find a solution for this situation he will collect corresponding ideas by e-mail.
- Ad. 8 Several possibilities to better recognize outstanding contributions to the activities of the groupement AMPERE were discussed. With pleasure B.H. Meier presented a paper on the historical development of the groupement AMPERE, composed by Professor G. J. Béné, with the title *Les Premières Decennies du Groupement AMPERE*. It was suggested to make the document available via the WEB-site of the groupement.
- Ad. 9 Next meetings of the AMPERE Bureau:  
Veldhoven, EUROMAR, Tuesday, July 5, 2005,  
Zürich, Friday, March 24, 2006.

At 4:45 p.m. H.W. Spiess closed the meeting and thanked all participants.

sig. J. Roos

# Report on the State of the Groupement AMPERE

Zürich, April 1<sup>st</sup>, 2005

Last fall represented a landmark in the development of our Society in our efforts to better co-ordinate our activities with that of other groups of Magnetic Resonance in Europe and world-wide:

- We had a highly successful joint meeting of the 32<sup>nd</sup> Congress AMPERE and the 17<sup>th</sup> EENC in Lille which convincingly demonstrated the strength of Magnetic Resonance in Europe. I'm particularly grateful to the chairmen, Paul Amoureux and Daniel Canet, for making this meeting such a memorable event. As stated several times, a yearly European conference covering the full range of techniques and the full scope to which Magnetic Resonance contributes should be installed. Following constructive discussions between representatives of the Groupement AMPERE, the EENC, and the British NMRDG it was decided by all bodies involved that a new conference

## EUROMAR

AMPERE – EENC – NMRDG

will be set up as a Division of the Groupement AMPERE.

- At the same time, I'm happy to report that the Magnetic Resonance in Porous Media (MRPM) Community, which already has run its conferences under the auspices of the Groupement AMPERE in the past, has become a new AMPERE-Division. It covers a broad range of techniques: NMR, EPR and MR imaging and further strengthens the role of Physics in our Society.

I would like to express my deep thanks to the members of the Bureau, the AMPERE Committee and the General Assembly for supporting these initiatives.

In the months that followed, Beat Meier asked our Committee members to propose candidates for the 'Board of Trustees' that will run EUROM(A)R. The representatives from the Groupement AMPERE (H. W. Spiess, B. H. Meier), the EENC-committee (J. Stepisnik, S. Caldarelli), and the British NMR Discussion Group, NMRDG (D. Neuhaus, R. D. Farrant) met again to prepare a short-list of candidates that were then contacted personally by our General Secretary. We agreed that the new board should be balanced with respect to the major fields and applications of Magnetic Resonance, the different regions within Europe and beyond, and last, but not least include upcoming new fields. The Board will be

installed at the Veldhoven Meeting this summer and the so-called 2+2+2 committee can then be dissolved. This 2+2+2 committee also discussed the general scope and organisational issues of the new Conference in order to assure a smooth start at Veldhoven (2005) and York (2006). We also received a definite proposal already for 2007.

On the personal side, it gives me pleasure to report that both, *Sir Peter Mansfield* and *Kurt Wüthrich* have accepted our offer to become Honorary Members of our Society. On the sad side, it is my duty to report that Professor *Jörgen Tegenfeldt*, who chaired the Specialized Colloque AMPERE on NMR in Solids, 1981 in Uppsala passed away last fall in his early sixties. He was a very active and supportive member of the AMPERE committee and we highly acknowledge his contribution to the development of our Society.

The Groupement AMPERE continues to offer a broad scope of events addressing newcomers and experienced scientists in the diverse fields of magnetic resonance alike. This is obvious when looking at the list of past and future AMPERE events on our homepage <http://www.ampere.ethz.ch>. As always, my thanks go to those, who made these events possible, in particular the Chairpersons. I would also like to mention, however, that there is room for further activities in 2006.

To conclude, Magnetic Resonance is as appealing as ever and the Groupement AMPERE has a long and highly successful tradition in fostering its development in Europe and beyond. I strongly believe that in the last years, our Society has shown its strength to cope with new challenges in a flexible and constructive manner. It gives me pleasure to thank you and ask for your continuing support, such that the new activities that are underway will be successful.



Hans Wolfgang Spiess

Zürich, April 1<sup>st</sup>, 2005

## Financial Situation of the Groupement AMPERE

Fortune of the Society per March 30, 2005

<b>Accounts in CHF</b>			
Bank Savings Account		CHF	55'978.--
Bank Current Account			3'396.50
Bank Savings Account SMRM			8'128.20
360 CS Portfolio Income Account			41'047.--
<hr/>			
Total Savings		CHF	108'549.70
Unpaid Fees 2003	31 x 35.--	CHF	1'085.—
Unpaid Fees 2004	39 x 35.--	CHF	1'365.—
<hr/>			
Total unpaid Fees		+	2'450.—
Prepaid Fees 2005-7	103 x 35.--	-	3'605.--
<hr/>			
<b>Effective Fortune March 30, 2005</b>		<b>CHF</b>	<b>107'394.70</b>
Effective Fortune February 27, 2004		(CHF	101'476.15)

<b>Account in US\$</b>		
<b>Effective Fortune March 30, 2005</b>	<b>US\$</b>	<b>93'238.06</b>
Effective Fortune February 27, 2004	(US\$	100'000.--)

sig. B.H. Meier

# Hertzian Optics, Dielectrics (HOD) Division of the Groupement AMPERE

## Compte-rendu de la réunion du 2 /04 /2005

Présents: A. Dégardin, O.Picon, G. Alquié, H. Baudrand, J. Y. Buzaré, J.C. Carru  
J. Chandezon, J. P. Daniel  
Excusés : A. Bouallègue, J. Chilo, J. M. Fornies Marquina  
Absents : J. Billard, C. Corvaja, J. G. Théobald

### I – Ouverture de la réunion

La séance est ouverte à 10 heures.

G. Alquié fait le point des informations sur l'organisation de ce bureau et du colloque OHD 2005. Les membres du bureau ont été informés par mail de la tenue de cette réunion ; il a aussi souhaité informer Y. Servant et R. Petit des travaux du bureau, bien qu'ils aient souhaité s'en retirer lors des dernières réunions.

Le choix de la date de cette réunion (tout début d'avril, alors qu'elle est habituellement à la fin mars) a résulté de contraintes de calendrier :

- la date limite de soumission des communications pour le colloque 2005 était fixée à la fin février
- le dernier week-end de mars correspondait au week-end de Pâques

J. Y. Buzaré a souligné que la réunion du bureau du groupement AMPERE se tient toujours la dernière semaine de mars, et qu'il transmet à cette occasion toutes les informations sur l'organisation du Colloque OHD. Ces informations ont été demandées en anticipation de cette réunion à A. Bouallègue, mais elles étaient encore incomplètes.

### II – Point sur le Colloque OHD 2005

#### 1) Communications

A. Bouallègue n'ayant pu se joindre à cette réunion du bureau pour des raisons administratives, H. Baudrand, qui l' a rencontré la semaine précédente à Tunis, a fait le point sur l'organisation. L'ensemble des résumés de communications soumises au 30/03/05 au Comité scientifique du colloque a été regroupé sur un CD-ROM pour examen

par le bureau. Les 82 communications qui ont été soumises ont été rassemblées dans les 6 thèmes suivants :

- Interaction ondes matière : 2
- Composants et systèmes pour micro-ondes et optique : 40
- Ondes électromagnétiques : 26
- Optique et spectroscopie : 4
- Résonance paramagnétique : 1
- Systèmes de communications : 9

Après examen, le bureau suggère que quelques communications fassent l'objet d'une présentation en poster plutôt qu'en communication orale ; ceci doit permettre de mieux équilibrer les diverses sessions. Ces suggestions vont être communiquées aux organisateurs dans un tableau récapitulatif.

### *2) Conférences invitées*

A ce jour, il semble que seulement trois conférences invitées aient été envisagées par les organisateurs. Les conférenciers sollicités sont Henry Baudrand, Victor Fouad Hanna et Philippe Gallion. G. Alquié précise qu'à sa connaissance, V. Fouad Hanna ne peut participer à la conférence, et il ignore s'il peut être remplacé par un autre intervenant. Cela a dû être précisé aux organisateurs qui les ont sollicités.

Les membres du bureau souhaitent que leur soient communiqués de façon urgente les thèmes retenus pour ces conférences invitées et le nom des intervenants. G. Alquié suggère d'élargir si nécessaire les thèmes de ces conférences et de solliciter de nouveaux intervenants malgré la date tardive pour les contacter. Plusieurs idées de thématiques sont suggérées : mission Galiléo, derniers résultats de missions spatiales, imagerie hyperfréquence, qui viendraient en compléments des aspects modélisation électromagnétique et communications optiques.

Avant d'entreprendre ces démarches, G. Alquié souhaite que lui soit communiqué le point sur ces conférences invitées.

### *3) Organisation générale*

Le bureau a regretté de ne pas disposer d'informations générales sur :

- l'organisation des conférences et des sessions durant les trois jours du colloque
- les conditions d'hébergement sur les lieux du colloque

Sur ce dernier point, H. Baudrand a indiqué que le colloque ayant lieu dans un hôtel, des possibilités d'hébergement sur place sont envisagées.

Le bureau souhaite disposer rapidement de ces informations, et qu'elles soient communiquées lors de l'avis d'acceptation des communications par le comité scientifique, afin que les intervenants des divers laboratoires puissent s'organiser pour préparer leurs missions dans une période de fin de vacances où les réservations pour les transports aériens et les hôtels risquent d'être difficiles.

### **III- Questions diverses**

G. Alquié a rappelé que lors de la dernière réunion du bureau, Roger Petit, qui souhaitait se retirer du bureau, avait suggéré la candidature de M. Zola pour le remplacer, et J. M. Fornies Marquina avait proposé d'élargir le bureau avec la candidature de J. Mosig.

G. Alquié se charge de contacter M. Zola afin qu'il fournisse aux membres du bureau une notice abrégée sur ses travaux scientifiques, ceci afin qu'ils puissent se déterminer sur sa candidature.

En ce qui concerne la candidature de J. Mosig qui avait déjà été examinée lors de la précédente réunion, il avait été décidé que J. P. Daniel et J. M. Fornies devaient le solliciter pour qu'il fournisse des informations complémentaires sur son activité de recherche avant que le bureau ne prenne une décision. A ce jour, ils n'ont pas eu de réponse. Le bureau suggère ainsi que J. M. Fornies le contacte à nouveau pour avoir confirmation de sa candidature.

L'ordre du jour étant épuisé, la séance est levée à 13h 30.

G. Alquié

Third Announcement

**International Symposium and Summer School**

## **“Nuclear Magnetic Resonance in Condensed Matter”**

2<sup>nd</sup> Meeting “NMR in Life Sciences”

Saint Petersburg, Petrodvorets, Russia, 11-15 July 2005



Organising Institution:

- **Saint-Petersburg State University**

<http://nmr.phys.spbu.ru/NMRCM-2005>  
[nmrcm@esr.phys.spbu.ru](mailto:nmrcm@esr.phys.spbu.ru)

### **Support**

Symposium and School are supported by:

- Ministry of Education and Science of Russian Federation
- Administration of Saint Petersburg
- Bruker–BioSpin

## Organising Committee

### **Co-Chairmen:**

V. I. Chizhik (Saint Petersburg)

R. Z. Sagdeev (Novosibirsk)

### **Vice-Chairmen:**

V. S. Kasperovich (Saint Petersburg)

A. V. Komolkin (Saint Petersburg)

### **Members:**

A. V. Aganov (Kazan)

V. V. Frolov (Saint Petersburg)

A. V. Egorov (Saint Petersburg)

A. V. Griбанov (Saint Petersburg)

S. Jurga (Poznań)

D. Michel (Leipzig)

N. M. Sergeev (Moscow)

V. D. Skirda (Kazan)

A. B. Yaroslavtsev (Moscow)

## Local Organisers

(Saint Petersburg State University):

N. A. Grigorieva

S. A. Lavrov

V. V. Matveev

I. E. Matyushenko

K. B. Nerinowsky

T. N. Smekalova

S. M. Soukharjevski

K. V. Tyutyukin

N. M. Vecherukhin

## Contact Addresses

Dr. Andrey V. Komolkin (Ref.: **NMRCM 2005**)

Department of Quantum Magnetic Phenomena

V. A. Fock Institute of Physics

St. Petersburg State University

Ulyanovskaya st., 1,

Petrodvorets,

198504,

St. Petersburg,

RUSSIA

Phone: +7-(812)-428 4362,

+7-(812)-428 7559

Fax: +7-(812)-428 7240

e-mail: [nmrcm@esr.phys.spbu.ru](mailto:nmrcm@esr.phys.spbu.ru)

URL: <http://nmr.phys.spbu.ru/NMRCM-2005>

## General Information

Saint Petersburg State University continues Annual International Symposium and Summer School “**Nuclear Magnetic Resonance in Condensed Matter**”. The second meeting under the subtitle “**NMR in Life Sciences**” will be opened on Monday, July 11, 2005 and will be closed on Friday, July 15, 2005.

The goal of the meeting is to provide a platform to scientists and students for use of all aspects of nuclear magnetic resonance methods and techniques as well as computational and theoretical approaches to the various problems in life sciences.

## Main topics

- Biology and medicine
- Ecology and environmental research
- Food science, cosmetics, etc.
- MR imaging
- Novel NMR techniques
- Computer simulations
- Model systems
- Water

## Preliminary list of lectures

1.	Gribanov Alexander	Russia	St.Petersburg
2.	Jurga Stefan	Poland	Poznan
3.	Karshenboim Savely	Russia	St. Petersburg
4.	Khrapitchev Alexandre	Canada	Fredericton, NB
5.	Lin Yung-Ya	USA	Los Angeles
6.	Michel Dieter	Germany	Leipzig
7.	Petrusevich Yurii M.	Russia	Moscow
8.	Sagdeev Renad	Russia	Novosibirsk
9.	Shenderovich Ilja G.	Russia/Germany	Berlin
10.	Skrynnikov Nikolai	USA	West Lafayette
11.	Smekalova Tatyana	Russia	St.Petersburg
12.	Stepisnik Janez	Slovenia	Ljubljana
13.	Tarkhanov Victor	Russia	St. Petersburg
14.	Vasenkov Sergey	Germany	Leipzig
15.	Volkov Vitaly	Russia	Moscow

## **Location**

NMRCM 2005 will take place at the Petrodvorets Campus of Saint Petersburg State University. Petrodvorets is a charming town, former summer residence of Russian Tsars, a place famous for its parks, palaces and fountains. Petrodvorets is located at the South Coast of the Gulf of Finland at a distance of 30 km from the centre of St. Petersburg. In 2005 Petrodvorets celebrates tercentenary.

## **St. Petersburg**

The 27<sup>th</sup> of May 1703 is considered to be the birthday of our city, when Peter the Great ordered to build the Peter and Paul Fortress on Zayachy Island. Modern St. Petersburg is the second city of Russia. The city is situated on the Neva river and at the coast of the Gulf of Finland. The length of the Neva is only 80 km but it is the fifth river in Europe in accordance with its water stream. The delta of the Neva consists of many sleeves and channels. The city lies on 42 islands and about 400 bridges cross the rivers and channels. At night some bridges rise high over the Neva and large ships pass up and down the river. St. Petersburg is considered to be one of the most beautiful cities in the world. Its straight and wide streets, large squares, magnificent architectural ensembles, granite embankments, wonderful historical and cultural memorials evoke the admiration of all visitors. That is why St. Petersburg has a symbolic name “Venice of the North”.

There are about 50 historical, art, and memorial museums in St. Petersburg. The Hermitage is one of the largest in the world art galleries and museums of the culture history, the State Russian Museum contains an outstanding collection of Russian painting. Our city always played an important role in developing science and culture both in Russia and in the world. The Russian Academy of Science and the first Russian University were set up here.

## **St. Petersburg State University**

The University was founded in 1724 by the decree of Peter the Great. It rapidly became the center for training specialists for the whole North-West region of Russian empire, including Finland, Poland, Ukraine, Byelorussia etc. Today the University consists of 19 faculties and 12 Research Institutes. Nearly 25,000 students are enrolled at St. Petersburg University. Altogether, about 4,000 teachers are employed at the University including 35 members of the Academy of Science, 997 full professors, and 1930 associate professors. Administration of the University and humanity faculties are situated in the center of the city on Vasilievsky Island while the faculties of Natural Sciences are situated in Petrodvorets in a specially designed campus dating from 1970s. Academic and Research Centre for Physics combines the Faculty of Physics and two Research Institutes: Institute

of Physics and Institute of Radiophysics. Practically all modern trends in physics, both experimental and theoretical, are represented in the Departments of the Center for Physics.

## **The Department of Quantum Magnetic Phenomena, Faculty and Institute of Physics**

The first investigations in the area of radiospectroscopy were fulfilled at the Chair of Radiophysics of the St. Petersburg (Leningrad) University in the beginning of 50-ties. In 1993 the Department of Quantum Magnetic Phenomena (DQMP) was established at the Academic and Research Center for Physics. The DQMP carries out the investigations in the domain of the NMR and EPR: nuclear magnetic relaxation of various nuclei in liquids; NMR in low magnetic fields and in the Earth magnetic field; liquid crystals (NMR spectra and relaxation); EPR in low magnetic field; NMR in solid state objects; pulse NMR in magnetics; NMR in heterogeneous systems; NMR tomography in low magnetic field; NMR and EPR in biological objects; practical applications of NMR and EPR; computer simulations for the explanation of experimental data.

The DQMP holds three educational MSc programmes: “NMR and EPR”, “Medical tomography”, “Applied Magnetic Resonance”.

## **Registration and accommodation**

Registration desk will be opened from noon on Sunday, 10<sup>th</sup> of July, at the hall on the ground floor of the student hostel No 13, where hotel “Universitetskaya” is situated. Address of the hotel/hostel is Botanicheskaya street, building 66/4 (in Russian: Ботаническая улица, дом 66, корпус 4), see the Map of the University Campus. On 11<sup>th</sup> of July Registration Desk will be available at the V. A. Fock Institute of Physics from 9:00 am.

Accommodation and meals will be provided at the Saint Petersburg State University Campus in Petrodvorets. Single and double bedrooms are available. The prices are in the range from 250 roubles to 1700 roubles per night without breakfast.

Application form for the hotel booking is available on the Symposium web-site until 20.06.05

<http://nmr.phys.spbu.ru/NMRCM-2005/registration/nmrcm.php>

## **Travel**

Saint Petersburg can be reached via International airport PULKOVO II and Domestic airport PULKOVO I (which are connected to the city by municipal transport) or by train. On

10<sup>th</sup> of July shuttle bus will connect International Airport—Domestic Airport—Symposium site. Timetable of the bus departure will be formed later.

From the Railway Stations, we recommend to take the Metro (Underground) to reach buses for the University Campus in Petrodvorets:

- to the metro station “Baltiyskaya” and then bus No 404;
- to the metro station “Avtovo” and then buses No 424, 424a.

From the metro station “Baltiyskaya” it is possible also to take local train to the station “University/Университет” (train is directed to Oranienbaum/Ораниенбаум).

Please, use the Metro Map and the Map of the University Campus.

Do not hesitate to contact the Organizing Committee if you have questions.

### **Lectures and Oral Reports**

Lecture is scheduled for 40 minutes including questions and answers. Oral reports are to be 15 minutes including questions and answers.

IBM PC running MS Windows XP and MS Power Point with computer projector (screen size of 1024x768 pixels) will be available for demonstration as well as overhead projector. It is desirable to have also hard copies (transparencies) of your computer presentation.

### **Posters session**

All posters are to be exposed during the working days of the Symposium and School. They must be installed on Tuesday morning and presented by the authors on Tuesday from 17.10 to 18.00 and Thursday from 15.40 to 17.10. The poster size is limited to 90 cm (width) x 120 cm (height). All materials are to be in English.

## Symposium timetable

<b>Time</b>	<b>Monday 12.07.2004</b>	<b>Tuesday 13.07.2004</b>	<b>Wednesday 14.07.2004</b>	<b>Thursday 15.07.2004</b>	<b>Friday 16.07.2004</b>
10.00-11.20	<b>Opening Lecture</b>	<b>Lectures</b>	<b>Lectures</b>	<b>Lectures</b>	<b>Lectures</b>
11.20-11.40	Coffee Break	Coffee Break	Coffee Break	Coffee Break	Coffee Break
11.40-13.05	<b>Lecture Oral Presentations</b>	<b>Lecture Oral Presentations</b>	<b>Lectures Oral Presentations</b>	<b>Lecture Oral Presentations</b>	<b>Oral Presentations Closing</b>
13.05-14.00	Lunch	Lunch	Lunch	Lunch	Lunch
14.00-15.20	<b>Lectures</b>	<b>Lectures</b>	<b>14.00 Excursions</b>	<b>Lectures</b>	<b>14.00 Excursions</b>
15.20-15.40	Coffee Break	Coffee Break		Coffee Break	<b>to</b>
15.40-17.10	<b>Oral Presentations</b>	<b>Oral Presentations</b>		<b>Poster Session</b>	<b>St. Petersburg</b>
	<b>18.00 Welcome Party</b>	<b>17.10-18.00 Poster Session</b>		<b>18.00 Banquet</b>	<b>18.00 Theatre</b>

## Future Conferences

### AMPERE Events

2005

AMPERE XIII NMR School	Zakopane (Poland)	June 5-10, 2005
Specialized Colloque AMPERE Meeting on EPR and ENDOR Spectroscopy of Metal Proteins and Spin-Labelled Proteins	Leiden (The Netherlands)	June 29 - July 1, 2005
EUROMAR joint EENC/AMPERE/British NMR-DG meeting Second Announcement/Call for Papers	Veldhoven (The Netherlands)	July 3-8, 2005
Nuclear Magnetic Resonance in Condensed Matter	St. Petersburg (Russia)	July 11-15, 2005
EPR Summer School	Wiesbaden (Germany)	July 17-24, 2005
8 <sup>th</sup> International Conference on Magnetic Resonance Microscopy	Utsunomiya (Japan)	August 22-26, 2005
18th Colloque International Hertzian Optics and Dielectrics	Hammamet (Tunisia)	September 5-7, 2005
4 <sup>th</sup> Alpine Conference on Solid-State NMR Second Announcement/Call for Papers	Chamonix (France)	September 11-15, 2005

2006

EUROMAR joint EENC/AMPERE/British NMR-DG meeting	York (U.K.)	July 17 - 21, 2006
The 8th International Bologna Conference on Magnetic Resonance in Porous Media	Bologna (Italy)	September 10-14, 2006

### Other Events

2005

ESMRMB European Society for Magnetic		
--------------------------------------	--	--

Resonance in Medicine and Biology - School of MRI		
Gordon Research Conference Magnetic Resonance	New London, Connecticut (USA)	June 5-10, 2005
47 <sup>th</sup> Rocky Mountain Conf. on Analytical Chemistry	Denver, Colorado (USA)	July 31 - Aug. 4, 2005
NMR in Molecular Biology, EuroConference on Structural Genomics: Structure, Dynamics and Interactions of Biomolecules	Backagarden, Höör (near Malmö) (Sweden)	August 20-25, 2005
22 <sup>nd</sup> Meeting of the ESMRMB	Basel, (Switzerland)	September 15-18, 2005
SMASH 2005 Conference	Verona (Italy)	September 25-28, 2005

## 2006

47 <sup>th</sup> ENC	Asilomar Conference Center, Pacific Grove, CA, (USA)	April 23-28, 2005
14th ISMRM Meeting	Seattle, Washington (USA)	May 6-12, 2006

## 2007

15 <sup>th</sup> ISMRM Meeting	Barcelona, (Spain)	May 12-18, 2007
--------------------------------	--------------------	-----------------

## 2008

16 <sup>th</sup> ISMRM Meeting	Toronto, Ontario, (Canada)	May 3-9, 2008
--------------------------------	-------------------------------	---------------

## 2009

17 <sup>th</sup> ISMRM Meeting	Honolulu, Hawai'i, (USA)	April 18-24, 2009
--------------------------------	-----------------------------	-------------------

## Address list of AMPERE members

Name	Institut/Department	University/Organisation	Street	Town	Country
	Bibliothèque centrale	des Instituts Techniques	2 bd Dragan Tzankov	Sofia	Bulgaria
	Wissenschaftl. Techn. Zentral-	Bibliothek 'KO' Buchaustausch	Postfach 559	BG-1040 Sofia	Bulgaria
	Inst. Kosmiceskich Isled.	Akademi Nauk Russia	Savenko M.A., Ulica Profsovsnaa 88	RUS-485 Moskow, Russia	Russian Federation
	Bibliothèque Publique	et Universitaire	Les Bastions	CH-1211 Genève 4	Switzerland
	Bibliothèque Nationale Suisse	Service des periodiques		CH 3003 Bern	Switzerland
	Princeton University Library	Serials Division	One Washington Road	Princeton, N.J. 08544- 2098	USA
	Linda Hall Library	Serials Department	5109 Cherry Street	Kansas City, MO 64110-2498	USA
	Cambridge University Library	Periodicals Department		Cambridge CB3 9DR	U.K.
	Bibliothèque de la	Section de physique	24 quai Ernest- Ansermet	CH-1211 Genève	Switzerland
	C.N.R.S.- P.M.C.	Ecole Polytechnique		F- 91128 Palaiseau Cédex	France
	Institute Jozef Stefan	Library	Jamova 39	SI-1000 Ljubljana	Slovenia
	Magnetic Resonance Group	Institute Jozef Stefan, Department F	Jamova 39	SI-1000 Ljubljana	Slovenia
	Hauptbibliothek Irchel Ber.Forschung	Universität Zürich	Winterthurerstr.190	CH-8057 Zürich	Switzerland
	Library	DEMOKRITOS NCSR	Aghia Paraskevi Attikis P.O.B 60228	GR-15310 Athenes	Greece
Abou-El-Nasr L.A. Dr.	Department of Physics	University of Alexandria		Alexandria	Egypt
Ailion D.C. Prof.	218 James Fletcher Building	Dept.of Physics/University of UTAH	115 South 1400 East	Salt-Lake-City, Utah 84112	USA
Amoureux J.P. Prof.	Laboratoire: LCPS	Université de Lille	Batiment C7, USTL	F-59652 Villeneuve D'ascq	France
Apih T. Dr.	Institute Jozef Stefan	Department F5	Jamova 39	SI-1000 Ljubljana	Slovenia
Aravamudhan S. Dr.	Chemistry Department	North Eastern Hill University	PO N.E.H.U. Campus Mawkynroh, Umshing	IN-793022 Shillong	India
Aroulmoji V. Dr.	NMR Laboratory	Protos Research Institute	P.O.Box 972	I-34100 Trieste	Italy
Atsarkin V. Prof.	Inst. of Radio Engen. & Electronics	Russian Academy of Sciences	11, Mokhovaya Str.	RUS-125009 Moscow	Russia

Awan Mr.	Biochemistry Department	University of Oxford	South Parks Road	Oxford OX1 3QU	U.K.
Baguet Dr.	UMR 6006 - Dept. of Chemistry	University of Nantes	2 rue de la Houssinière	F-44322 Nantes	France
Balcom B.J. Dr.	Dept. of Physics	University of New Brunswick	POBox 4400	Fredericton, N.B. E3B 5A3	Canada
Balcou Y. Dr.	Department of Physics	Université de Rennes	18 rue La Fontaine	F-35700 Rennes	France
Barbur I. Prof. Dr.	Department of Physics	BABES-BOLYAI University	Kogalniceanu 1	RO-3400 Cluj-Napoca, 400084	Romania
Barnwal Mr.	Mol.Biophys.Group/Chem.Sciences	Tata Institute of Fundamental Res.	Homi Bhabha Road, Colaba	IN-400005 Mumbai(Maharashtra)	India
Baumann H. Dr.	Amersham Biosciences		Björkgatan 30	SE-75184 Uppsala	Sweden
Bercu M. Dr.	Dept. of Atomic & Nuclear Physics	University of Bucharest	P.O. Box MG-11	RO-76900 Bucharest-Magurele	Romania
Berliner L.J. Prof.	Department of Chemistry & Biochem.	University of Denver	2190 E. Iliff Avenue, Room 202	Denver, CO 80208	USA
Berthier C. Dr.	Lab. Spectrometrie Physique	Université J. Fourier Grenoble I	BP 87	F-38402 Saint Martin d'Hères	France
Béné G.-J. Prof.	Section de Physique	Université de Genève	24 quai E. Ansermet	CH-1211 Genève 4	Switzerland
Bill H. Prof. honoraire	Départ. de Chimie Physique	Sciences II, Université de Genève	30 quai Ernest-Ansermet	CH-1211 Genève 4	Switzerland
Blicharski J.S. Prof.	Institute of Physics	Jagiellonian University	ul. Reymonta 4	PL-30059 Krakow	Poland
Blinic R. Prof. Dr.	Institute Jozef Stefan	Department F5	Jamova 39	SI-1000 Ljubljana	Slovenia
Bluemich B. Prof.	Makromolekulare Chemie	RWTH	Worringer Weg 1	D-52056 Aachen	Germany
Blümler P. Dr.	Max-Planck Institut für	Polymerforschung	Ackermannweg 10, Postfach 3148	D-55128 Mainz	Germany
Bodenhausen G. Prof.	ICMB	EPFL - BCH		CH-1015 Lausanne	Switzerland
Bogdan M. Dr.	National R & D	Institute of Isotopic and Molec.Tech	400293-Donath 71-103, P.O.Box 700	RO-3400 CLUJ-NAPOCA 5	Romania
Bondar A.M. Dr.	Institute of Metallurgy	Russian Academy of Sciences	Leninskii Prospect 49	RUS-117312 Moscow	Russian Federation
Borgia C. Prof.	ICMTA	Università di Bologna	Viale Risorgimento 2	I-40100 Bologna	Italy
Boscaino R. Prof.	Instituto di Fisica	Università di Palermo	Via Archirafi 36	I-90123 Palermo	Italy
Botto R.E. Dr.	Chemistry Div./Bldg. 200	Argonne National Laboratory	9700 South Cass Avenue	Argonne, Illinois 60439	USA
Böckmann A.	Inst.Biologie et de Chimie	CNRS UMR 5086	7, passage du Vercors	F-69367 Lyon	France

Dr.	Protéines								
Bray P.J. Prof.	Physica Dep.Radiofr.& Micr.Spectr.	Brown University				Providence, R.I. 02912		USA	
Bredimas A.P. Dr.		Residence du Clos d'Alencon, C.4.	35 Rue General de Gaulle			F-91140 Villebon sur Yvette		France	
Briguet A. Prof.	Lab. de Réson. Magn. Nucléaire-CNRS	Université Cl. Bernard Lyon - CPE	43 bld du 11 Novembre 1918			F-69622 Villeurbanne Cedex		France	
Brinkmann D. Prof. em.	Physik Institut der	Universität Zürich	Winterthurerstr.190			CH-8057 Zürich		Switzerland	
Britton M. Dr.			5 Burgoyne Rd			Camberley, Surrey GU15 1LS		U.K.	
Brown R.			953 W Bonita Ave			Claremont, CA 91711-4193		USA	
Brun E. Prof.			Neuhausstrasse 13			CH-8600 Dübendorf		Switzerland	
Buzaré J.Y. Prof.	Lab. de Physique de l'Etat Condensé	CNRS UMR 6087, Université Maine	Avenue Olivier Messiaen			F-72085 Le Mans Cedex 9		France	
Caldarelli St. Prof. Dr.	Faculté de Sciences	CRRMN Univ.d'Aix Marseille III	Site de Saint-Jerôme, case 511			F-13013 Marseille		France	
Callaghan P.T. Prof.	School of Chemic.and Phys. Sciences	Victoria University of Wellington	P.O.Box 600			Wellington		New Zealand	
Chavva A. Dr.	Chemical Department	St. Petersburg State University	University prospect, house 2			RUS-198904 St. Petersburg		Russia	
Chevalier Mr.	IIQ/Organic Chemistry	CSIC	Americo Vespucio			ES-41092 Sevilla		Spain	
Chézeau J.M. Prof. em.	Ecole Nationale	Supérieure de Chimie	3 rue Alfred Werner			F-68093 Mulhouse Cédex		France	
Chizhik V.I. Prof.	Quantum Magnet.Phén.,Fac.of Physics	University of St. Petersburg				RUS-198504 St. Petersburg, Petrodvorets		Russian Federation	
Choh S.H. Prof. em.	Department of Physics	Korea University	1 Ahnahn-Dong, Sungbuk-Ku			Seoul 136-701		Korea	
Choubani F. Ass.Prof.	Sup'Com	Univ.du 7 Nov. à Carthage University	Route de Raoued			TN-2083 Ghazala		Tunisia	
Corti M.E. Prof. Dr.	Dept. of Physics "A. Volta"	University of Pavia	Via Bassi 6			I-27100 Pavia		Italy	
Cozar O. Prof. Dr.	Department of Physics	University of Cluj-Napoca	Kogalniceanu 1			R-3400 Cluj-Napoca		Romania	
Cutting Dr.	Institute of Molecular Pharmacy	University of Basel	Klingelbergstrasse 50			CH-4056 Basel		Switzerland	
Demco D.E. Prof. Dr.	Makromolekulare Chemie	RWTH Aachen	Worringerweg 1			D-52056 Aachen		Germany	
Denninger A.W. Prof. Dr.	2. Physikalisches Institut	Universität Stuttgart	Pfaffenwaldring 57			D-70550 Stuttgart		Germany	

Depireux J. Prof. em.				Bois de Selessin, 16	B-4102 Ougrée	Belgium
Derzhanski A. Prof.	Institute of Solid State Physics	Bulgarian Academy of Sciences	72 Tzarigradsko Chaussee Blvd		BG-1784 Sofia	Bulgaria
Dickinson L.C. Dr.	Polymer Science + Engineering	University of Massachusetts Department F5	Conte Nat. Center Polymer Research		Amherst MA 01003	USA
Dolinsek J. Prof. Dr.	Institute Jozef Stefan	Department F5	Jamova 39		SI-1000 Ljubljana	Slovenia
Dormann E. Prof. Dr.	Physikalisches Institut der	Universität Karlsruhe (TH)	Wolfgang Gaede Str. 1		D-76128 Karlsruhe	Germany
Dvinskikh S. Dr.	Institute of Physics	St. Petersburg State University	Uljanovskaia 1		RUS-196504 St. Petersburg	Russia
D'Epinoise de Lacaillerie Dr.	Laboratoire de Physique Quantique	ESPCI	10, rue Vauquelin		F-75231 Paris Cedex 05	France
Emsley L. Prof. Dr.	Ecole Normale Supérieure	de Lyon	46 allée d'Italie		F-69364 Lyon cédex 07	France
Ernst R.R. Prof.	Laboratorium für physikal. Chemie	ETH Zürich	ETH-Hönggerberg, HCI		CH-8093 Zürich	Switzerland
Ernst M. Dr.	Laboratorium für Physik. Chemie	ETH Zürich	ETH-Hönggerberg, HCI		CH-8093 Zürich	Switzerland
Fantazzini P. Dr.	Dipartimento di Fisica	Università di Bologna	Via Irnerio 46		I-40126 Bologna	Italy
Farrant R. Dr.	Analytical Sciences	GloxoSmithKline	Gunnels Wood Road		Stevenage SG1 2NY	U.K.
Fernandez Pineiro I. Dr.	Bioquímica del Suelo	Inst.Investigac.Agrobiol. de Galicia	Av. Vigo		ES-15706 Santiago de Compostela	Spain
Ferrer-Anglada N. Dr.	Dept. of Applied Physics	Universitat Politècnica de Catalunya	Campus Nord, B4, C. Girona s/n		E-08034 Barcelona	Spain
Fiat D. Prof.	Dept of Physiology and Biophysics	University of Illinois	M/C 901, 835 S. Wolcott		Chicago, IL 60612-7342	USA
Florea Chr.S. Dr.	Physics Department-NMR Group	Polytechnical Institut Bukarest	313, Spl. Independentei		RO-77206 Bukarest	Romania
Folz D. Ms.	Dept. of Mat. Science & Engineering	Virginia Polytechnic Inst. & State	213 Holden Hall		Blacksburg, VA 24060	USA
Fraissard J. Prof.	Lab. "Physique et Mecanique des	Milieux Hétérogenes" - ESPCI	10 Rue Vaugelin		F-75005 Paris	France
Frydman L. Prof.	Department of Chemical Physics	Weizmann Institute of Science	205 Herzl St		IL-76100 Rehovot	Israel
Fukushima E. Prof.	New Mexico Resonance		2301 Yale Blvd., SE Suite C-1		Albuquerque, NM 87106-4352	USA
Furo I. Dr.	Dept. of Physical Chemistry	Royal Institute of Technology	Teknikringen 36		S-10044 Stockholm	Sweden
Garipov R. Mr.		Kazan State University	Kremlevskaya		RUS-420008 Kazan	Russia

Garvey Chr. Dr.	Environmental Science	ANSTO	PMB 1	Menai 2234	Australia
Geen H.L. Dr.	School of Physics & Astronomy	University of Nottingham	University Park	Nottingham NG7 2RD	U.K.
Geevee P.G. Dr.	Invention/I.C.A/I.S.C.A	G.V.S.R.C	Pushpakam.8/475	IN-683574 Kalady, Eranakulam	India
Geru I.I. Prof. Dr.	Department of Physics	State University of Moldova	60 A. Mateevici str.	MD-2009 Chisinau	Moldova
Giurgiu L. Dr.	Nat.Inst.for Research & Development	of Isotopic & Molecular Technologies	P.O. Box 700	R-3400 Cluj-Napoca 5	Romania
Glinchuk M.D. Dr.	Institute for Material Sciences	Academy of Sciences of Ukraine	Krijjanovskogo Str. 3	Kiev 252 180	Ukraine
Goldfarb D. Prof.	Chemical Physics	Weizmann Institute of Science		IL-76100 Rehovot	Israel
Goldman M. Prof.	Centre d'Etudes de Saclay	DRECAM/SPEC	Orme des Merisiers, BP 2	F-91191 Gif-sur-Yvette Cedex	France
Grecu V.V. Prof.	Physics Faculty	University of Bucharest	P.O. Box MG-11	RO-76900 Bucharest	Romania
Grecu M.N. Dr.	Institute of Atomic Physics,	Inst.of Physics + Techn.of Materials	P.O.Box MG-7	RO-76900 Bucharest-Magurele	Romania
Griesinger Ch. Prof.	Max-Planck-Institut für biophysik.	Chemie / NMR II	Am Fassberg 11	D-37077 Goettingen	Germany
Grucker D. Prof.	Institut de Physique Biologique	Univ. Louis Pasteur / Fac. Médecine	4 rue Kirschleger	F-67085 Strasbourg Cédex	France
Haase A. Prof.		Universität Würzburg	Sanderring 2	D-97070 Würzburg	Germany
Hall L.D. Prof.	Herchel Smith Laboratory	Cambridge University	Robinson Way	Cambridge CB2 2PZ	U.K.
Halperin W.P. Prof.	Dept. of Physics and Astronomy	Northwestern University	2145 Sheridan	Evanston, IL 60208-4400	USA
Hattori M. Dr.	Photonics RI	AIST	Central 2, 1-1-1, Umezono	Tsukuba, 305-8568	Japan
Hennel J. Prof.		Institute of Nuclear Physics	Ul. Radzikowskiego 152	PL-31342 Krakow 23	Poland
Hodgkinson P. Dr.	Department of Chemistry	University of Durham	South Road	Durham, DH1 3LE	U.K.
Hoffmann S.K. Prof. Dr.	Instytut Fizyki Molekularnej	Polskiej Akademii Nauk	Smoluchowskiego 17/19	PL-60-179 Poznan	
Hull E. Dr.	Abt. Zentrale Spektroskopie (Ro400)	Deutsches Krebsforschungszentrum	Neuheimer Feld 200	D-69120 Heidelberg	Germany
Il'yasov A. Prof. Dr.	Inst. of Org. and Phys.Chemistry RAS		Arbusov Str. 8	RUS-420088 Kazan, Tatarstan	Russia
Ioncu V. Dr.	Department of Physics	University of Cluj-Napoca	Kogalniceanu 1	RO-3400 Cluj-Napoca	Romania
Ivanov V.I. Dr.	L.V. Kirensky Inst. of Physics	Siberian Academy of Sciences	Akademgorodok	RUS-660036 Krasnoyarsk	Russian Federation

Jacobs R.E.	California Institute of Technology	139-74 Beckman Institute			Pasedena, CA 91125	USA
Jaroniec Chr. Dr.	Laboratory of Chemical Physics	NIDDK, National Inst. of Health	9000 Rockville Pike, Bldg.5/RmB1-27		Bethesda, MD 20892	USA
Jeener J. Prof.	CP-223	Université Libre -Plaine	Bd. du Triomphe		B-1050 Bruxelles	Belgium
Jeschke G. Dr.		Max Planck Inst.for Polymer Research	Postfach 3148		D-55021 Mainz	Germany
Jokisaari J.P. Prof.	Department of Physical Sciences	University of Oulu			FIN-90014 Oulu	Finland
Jonsen P. Dr.	Varian Ltd.	9 Claro Court Business Centre	Claro Road		Harrogate, North Yorkshire HG1 4BA	U.K.
Jurga St. Prof. Dr. hab.	Inst.Fizyki/Zaklad Fizyki Makromol.	Uniwersytet im. A. Mickiewicza	Umultowska 85		PL-61-614 Poznan	Poland
Kapadia R. Dr.		Scanco USA, Inc.	P.O. Box 996		South Eastern, PA 19399-0646	USA
Keller T. Dr.		Bruker BioSpin GmbH	Silberstreifen		D-76287 Rheinstetten 4	Germany
Kimmich R. Prof. Dr.	Sekt. Kernresonanzspektroskopie	Universität Ulm	Albert Einstein Allee 11		D-89069 Ulm/Donau	Germany
Kimtys L. Prof.	General Physics and Spectroscopy	Vilnius University	Universiteto 3		LT-2734 Vilnius	Lithuania
Kind R. Prof. Dr.		Schlumberger-Doll Research	Weinmanngasse 84		CH-8700 Küsnacht	Switzerland
Kleinberg R.L. Mr.	Senior Research Scientist		Old Quarry Road		Ridgefield, Connecticut 06877	USA
Klika K. Dr.	Department of Chemistry	University of Turku	Vatselankatu 2		FI-20014 Turku	Finland
Kochelaev B.I. Prof.	Physics Department	Kazan State University	Lenin St.		RUS-420008 Kazan, Tatarstan	Russian Federation
Komoroski R.A. Dr.	NMR Lab, 151K/NLR	VA Medical Center	2200 Fort Roots Drive		Little Rock, Arkansas 72114	USA
Korb J.P. Dr.	Lab.de Physique de la Mat.Condensée	Ecole Polytechnique	Route de Saclay		F-91128 Palaiseau	France
Korecz L. Dr.	Central Res. Inst. for Chemistry	Hungarian Acad. Sciencies	P.O. Box 17		H-1525 Budapest	Hungary
Kostetski Y. Dr.	Bioengineering	National University of Singapore	9 Engineering Drive 1		SG-117576 Singapore	Singapore
Kothe G. Prof.	Dept. of Physical Chemistry	University of Freiburg	Albertstr. 21		D-79104 Freiburg i. Br.	Germany
La Mattina F. Dr.	Department of Physics	University of Zürich	Winterthurerstrasse 190		CH-8057 Zürich	Switzerland
Lalowicz Z.T. Dr.	Institute of Nuclear Physics		Ul. Radzikowskiego 152		PL-31-342 Krakow	Poland
Latanowicz L. Dr.	Inst.of Biotechn. and Envir.Sciences	University of Zielona Gora	Monte Cassino 21B		PL-65-561 Zielona Gora	Poland
Lauterbur C.	Department of Chemistry	University of Illinois	600 S. Mathews - CLSL		Urbana, IL 61801	USA

Prof.				51-6			
Leibler K. Mrs.	Library Inst. of Physics	Polska Akademia Nauk	Al. Lotnillow 32/46	PL-002 668 Warszawa			Poland
Leisen J.E. Dr.	School of Textile & Fiber Engin.	Georgia Institute of Technology		Atlanta, GA 30332-0295			USA
Levitt M. Prof.	School of Chemistry	Southampton University	University Road	Southampton, SO17 1BJ			U.K.
Lippmaa E. Prof. Dr.	Nat.Inst.of Chem.Phys.and Bio Phys.	Estonian Academy of Sciences	Rävala Puiestee 10	EE-10143 Tallinn			Estonia
Low W. Prof.	Recah Institute of Physics	The Hebrew University of Jerusalem	Givat Ram	IL-91904 Jerusalem			Israel
Lubitz W.B. Prof. Dr.	Max-Planck-Institut	für Bioanorganische Chemie	Stiftstr. 34-36	D-45470 Mülheim/Ruhr			Germany
Luz Z. Prof.	The Weizmann Inst. of Sciences	Dept. of Chemical Physics	Via F. Maritano 26	IL-76100 Rehovot			Israel
Maddinelli G. Dr.	Physical Chemistry Department	Eni Technology		I-20097 S. Donato - Milan			Italy
Magnus M. Dr.	Materials and Surface Chemistry	Chalmers University of Technology	Kemiv 10	SE-412 96 Gothenburg			Sweden
Magusin P. Dr.	Fac.of Chemistry + Chem.Engineering	Eindhoven University of Technology	P.O. Box 513 (room: STW 3.25)	NL-5600 MB Eindhoven			The Netherlands
Majer G. Dr. PD	Max-Planck-Inst. für Metallforschung		Heisenbergstrasse 3	D-70569 Stuttgart			Germany
Mansfield P. Prof. Sir	Magnetic Resonance Centre	University of Nottingham	University Park	Nottingham NG7 2RD			U.K.
Mantle D. Dr.	Chemical Engineering	Cambridge University	Pembroke Street	GB-Cambridge CB2 3RA			U.K.
Maraviglia B. Prof.	Dipartimento di Fisica	Università di Roma	Piazzale Aldo Moro 2	I-00185 Roma			Italy
Marinov R. Mr.	Institute of Solid State Physics	Bulgarian Academy of Sciences	72 Tzarigradsko Chaussee Blvd	BG-1784 Sofia			Bulgaria
Martinelli M. Dr.	Inst. per i Processi Chimico-Fisici	National Council of Research	Via G. Moruzzi 1	I-56124 Pisa			Italy
Martins J. Prof.	Vakgroep Organische Chemie	Universiteit Gent	Krijgslaan 281 S4	B-9000 Gent			Belgium
Mastikhin I.V. Dipl.Phys.	International Tomography Center		Institutskaya 3a st.	RUS-630090 Novosibirsk			Russia
Mateescu G.D. Prof. Dr.	Dept. of Chemistry	Case Western Reserve University	10900 Euclid Ave.	Cleveland, Ohio 44106-7078			USA
McDonald P.J. Prof.	Department of Physics	University of Surrey		Guildford Surrey GU2 5XH			U.K.
Mehring M. Prof.	2. Physikalisches Institut	Universität Stuttgart	Pfaffenwaldring 57	D-70550 Stuttgart			Germany

Meier B.H. Prof. Dr.	Lab. für Physikalische Chemie	ETH-Zürich	ETH-Hönggerberg, HCI	CH-8093 Zürich	Switzerland
Mesnard F. Dr.	Faculté de Pharmacie	Université de Picardie	1, Rue des Louvels	F-80000 Amiens	France
Michel D. Prof. Dr.	Fakultät f.Physik und Geowissenschaft.	Universität Leipzig	Linnéstr. 5	D-04103 Leipzig	Germany
Miclet E. Dr.	NIDDK	NIH	9000, Rockville Pike	Bethesda, MD 20892-0520	USA
Milia F. Prof.	Physics Department	NRC Demokritos	Aghia Paraskevi-Attikis	GR-15310 Athens	Greece
Miljkovic L. Prof.	Department of Physics	University of Nis	Ciril Metodije 2	Nis, Serbia	Yugoslavia
Misra S.K. Prof.	Department of Pysics	Concordia University	1455 de Maisonneuve Blvd West	Montreal (Quebec) H3G 1M8	Canada
Molin Y.N. Prof.	Inst. of Chem. Kinetics & Combustion	Siberian Div. Russian Acad.Sciences		RUS-630090 Novosibirsk, Russia	Russian Federation
Momo Jeufack H.	Experimentelle Physik III	University of Dortmund	Otto Hahn Str. 4	D-44221 Dortmund	Deutschland
Morris P.G. Prof.	Sir Peter Mansfield Mag.Reson.Centre	University of Nottingham	University Park	Nottingham NG7 2RD	U.K.
Mosina L.V. Dr.	Zavoisky Physical-Technical	Institute	Sibirsky trakt 10/7	RUS-420029 Kazan, Tatarstan	Russian Federation
Mosiniewicz-Szablewska E.M.S. Dr.	Institute of Physics	Polish Academy of Sciences	Al. Lotnikow 32/46	Warsaw 02-668	Poland
Möbius K. Prof. Dr.	Fachbereich Physik	Freie Universität Berlin	Arnimallee 14	D-14195 Berlin 33	Germany
Mueller D. Mr.	Bruker BioSpin GmbH		Silberstreifen	D-76278 Rheinstetten	Germany
Murin J. Dr.	Department of Physics	Technical University	Komenskeho park	SK-04210 Kosice	Slovakia
Müller K.A. Prof.	Physik Institut	Universität Zürich	Winterthurerstr. 190	CH-8057 Zürich	Switzerland
Navon G. Prof.	School of Chemistry	Tel Aviv University	Ramat Aviv	IL-69978 Tel Aviv	Israel
Newling B. Mr.	Unilever Research Laboratory	Port Sunlight	Quarry Road East	Bebington, Wirral CH63 3JW	U.K.
Nielsen N. Prof.	Interdisciplinary Nanos center	Dept. of Chemistry	Langelandsgade 140	DK-8000 Aarhus C	Denmark
Norris J.R. Prof.	Dept. of Chemistry	University of Chicago	South Ellos Ave.	Chicago, IL 6037-1403	U.S.A.
Nunes T. Dr.	Materials Science Department	Technical University of Lisbon /IST	Av. Rovisco Pais, 1	PT-1049-001 Lisboa	Portugal
Ott H.R. Prof. Dr.	Lab. für Festkörperphysik	ETH-Hönggerberg		CH-8093 Zürich	Switzerland
Pajak Z. Prof.	Laboratory of Radiospectroscopy	A. Mickiewicz University	Umultowska 85	PL-61-614 Poznan	Poland
Palivan C.G. Dr.	Dept. of Atomic & Nuclear Physics	University of Bucharest	P.O. Box MG-11	RO-76900 Bucharest-	Romania



Salikhov K.M. Prof.	Zavoisky Physical-Technical	Institute	Sibirsky trakt 10/7	RUS-420029 Kazan, Tartarstan	Russian Federation
Sarkar S.K. Dr.	Physical + Structural Chemistry	Smithkline Beecham Pharmaceuticals	709 Swedeland Road - UW 2940	King of Prussia PA 19406	USA
Schmidt J. Prof. Dr.	Rijksuniversiteit te Leiden	Afd. Sterren- & Natuurkunde Huygens Lab	Postbus 9504	NL-2300 Leiden	Netherlands
Schmidt-Rohr K. Prof. Dr.	Dept. Polymer Science & Engineering	University of Massachusetts. at Amherst		Amherst MA 01003	USA
Schneider H. Prof. Dr.	Fachbereich Physik	Universität Halle	Friedemann-Bach-Platz 6	D-06108 Halle (Saale)	Germany
Schoemaker D. Prof.	Physics Department Campus Drie Eiken	University of Antwerp	Universiteitsplein 1	B-2610 Antwerp	Belgium
Scrimgeour S.N. Dr.	Dental School	University of Dundee	Park Place	Dundee DD1 4HN	Scotland, UK
Seliger Janez J. Prof.	Institute Jozef Stefan	Department F5	Jamova 39	SI-1000 Ljubljana	Slovenia
Selivanov St. Dr.	Chemical Department	St. Petersburg State University	University prospect, house 2	RUS-198904 St. Petersburg	Russia
Sergeev N. Prof. Dr.	Institute of Physics	Szczecin University	ul. Wielkopolska	PL-70-451 Szczecin	Poland
Servant Y. Prof.			235 cours de la Somme	F-33800 Bordeaux	France
Simon S. Prof. Dr.	Department of Physics	BABES-BOLYAI University	Kogalniceanu 1	RO-3400 Cluj-Napoca, 400084	Romania
Sklenar V. Prof.	Nat. Centre for Biomolecular Research	Masaryk University	Kotlarska 2	CZ-611 37 Brno	Czech Republic
Slichter C.P. Prof.	Loomis Lab.	University of Illinois	1110 W. Green Street	Urbana, Illinois 61801-3080	USA
Smidt J. Prof. Dr. Ir.			van der Dussenweg 8	NL-2614 XE Delft	Netherlands
Smith J.A.S. Prof.	Dept. of Chemistry/Strand Campus	King's College London	Strand	London WC2R 2LS	U.K.
Smith M.E. Dr.	Department of Physics	University of Warwick		Coventry CV4 7AL	U.K.
Speváček J. Dr.	Inst. of Macromolecular Chemistry	Academy of Sciences of Czech Republ.	Heyrovsky sq. 2	CZ-162 06 Prague 6	Czech Republic
Spieß H.W. Prof. Dr.	Max-Planck Institut für	Polymerforschung	Postfach 31 48	D-55021 Mainz	Germany
Stankowski J. Prof.	Institute of Molecular Physics	Polish Academy of Sciences	M. Smoluchowskiego 17	PL-60-179 Poznan	Poland
Stehlik D. Prof. Dr.	FB Physik, WE 1	Freie Universität Berlin	Arnimallee 14	D-14195 Berlin	Germany

Stern R. Dr.	NICPB	Physics Laboratory	Akadeemia tee 23	Tallinn, 12618	Estonia
Stoesser R. Prof. Dr.	Institute of Chemistry	Humboldt University	Hessische Strasse 1-2	D-10115 Berlin	Germany
Strange J.H. Prof.	The Physics Laboratories	University of Kent		Canterbury, Kent CT2 7NR	U.K.
Subramanian S. Dr.	Radiation Biology Branch	National Institutes of Health	Building 10, Room B3-B69	Maryland, 20892	USA
Sullivan N.S. Prof.	Department of Physics	University of Florida	215 Williamson Hall/ P.O. Box 118440	Gainesville, FL 82611-8440	USA
Suter D. Prof. Dr.	Fachbereich Physik	Universität Dortmund		D-44221 Dortmund	Germany
Szalontai G. Dr.	NMR lab.	University of Veszprem	Eggetem utca 10	H-8200 Veszprem	Hungary
Tabak F. Prof. Dr.	Department of Physics Engineering	Hacettepe University		TR-06800 Beytepe-Ankara	Turkey
Takeda S. Prof.	Div. of Chemistry, Grad. School Science	Hokkaido University		Sapporo, 060-0810	Japan
Takui T. Prof. Dr.	Dept. Chemistry, Grad. School Science	Osaka City University	3-3-138 Sugimoto Sumiyoshi-ku	Osaka, 558-8585	Japan
Theobald J.-G. Mr.		La Chapelle des Buis	7, ch. des Mercureaux	F-25660 Fontaine /Saone	France
Titman J. Dr.	School of Chemistry	University of Nottingham	University Park	Nottingham NG7 2RD	Great Britain
Toffanin R. Mr.	PROTOS Research Institute		P.O. Box 972	I-34100 Trieste	Italy
Tompa K. Prof.	Central Research Inst. of Physics	Hungarian Academy of Sciences	POB 49	H-12525 Budapest 114	Hungaria
Tritt-Goc J. Dr.	Inst. of Molecular Physics	Polish Academy of Sciences	Ul. Smoluchowskiego 17	PL-60179 Poznan	Poland
Tsvetkov Yu.D. Prof.	Inst. of Chemical Kinetics and	Combustion, Siberian Branch, RAS		RUS-630090 Novosibirsk 90	Russia
Tyburn J.M. Mr.		Bruker BioSpin S.A.	34 rue de l'industrie	F-67160 Wissembourg	France
Tyszka J. Dr.	Division of Biology	California Institute of Technology	M/C 114-96, 1200 E California Blvd	Pasadena, CA 91125	USA
Ursu I. Prof.		Romanian Academy	Calea Victoriei Nr. 125, Sector 1	RO-71102 Bucharest	Romania
van der Klink Dr.	Institut de Physique expérimentale	EPFL	PHB-Ecublens	CH-1015 Lausanne	Switzerland
Van Gerven L.G. Prof. Dr.	Center for Nucl. Magnet. & Radiospec.	University of Leuven	Celestijnenlaan 39/32	B-3001 Leuven	Belgium
Van Hecke P. Prof. Dr.	Biomed. NMR Unit, Fac. of Medicine	Katholieke Universiteit Leuven	Gasthuisberg	B-3000 Leuven	Belgium
Varney A. Dr.	Project Office	Magnex Scientific Ltd.	6 Mead Road, Oxford	Yarnton, Oxford OX5	U.K.

				Industrial Park	1IN	
Veeramuthu Natarajan V.N. Mr.	Institute of Organic Chemistry	Johannes Kepler University	Altenberger Strasse 69		A-4040Linz	Austria
Vezin H. Dr.	CNRS UMR8009	University of Lille 1	Bâtiment C4		F-59655 Villeneuve d'Ascq	France
Vieth H.-M. Prof. Dr.	Inst. f. Experimental Physik	Freie Universität Berlin	Arnimallee 14		D-14195 Berlin 33	Germany
Vilfan M. Dr.	Institute Jozef Stefan	Department F5	Jamova 39		SI-1000 Ljubljana	Slovenia
von Kienlin M. PD Dr.	Head, MR Imaging & Spectroscopy	F. Hoffmann-La Roche AG Pharma	Bldg. 68/05B		CH-4070 Basel	Switzerland
Waldner F. Prof.	Physikalisches Institut der	Universität Zürich	Winterthurerstr.190		CH-8057 Zürich	Switzerland
Walton J.H. Mr.	UCD NMR Facility	University of California			Davis, CA 95616	USA
Wasylishen R. Prof.	Department of Chemistry	University of Alberta			Edmonton T6G 2G2	Canada
Waugh J.S. Prof. em.	Institute	M.I.T.	77 Mass. Ave., Room 6-231		Cambridge MA 02139	USA
Westlund P.-O. Prof.	Biophysical Chemistry	Umea University			SE-901 87 Umea	Sweden
Willamowski S. Ms.	Physikalische Chemie	Universität Dortmund			D-44221 Dortmund	Germany
Wolf H.C. Prof.	3.Physikalisches Institut	Universität Stuttgart	Pfaffenwaldring 57		D-70550 Stuttgart	Germany
Wormald P. Mr.	School of Chemistry	University of St. Andrews	North Haugh, FIFE		St. Andrews KY16 9ST	Great Britain
Wüthrich K. Prof. Dr.	Inst.f. Molekularbiologie/Biophysik	ETH Zürich	ETH Hönggerberg, HPK G 17		CH-8093 Zürich	Switzerland
Yeom T.H. Dr.	Dept. of Physics	Chongju University			ROK-360764 Chongju	Korea
Zheliaskova A. Ass. Prof.	Inst. of Solid State Physics	Bulgarian Academy of Sciences	72 Tzarigradsko Chaussee Blvd.		BG-1784 Sofia	Bulgaria
Zumer S. Prof.	Physics Department	University of Ljubljana	Jadranska 19		SI-1000 Ljubljana, SLO-61111	Slovenia